



Bridges and Structures

- Project Start-up:
 - Assigning a Bridge Rep
 - Review of A/E Bridge SOW & Budget
 - LIST ASSUMPTIONS (B2, B3, walls, etc.)
 - Set up “RG” numbers for every structure



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- Project Scoping
 - Important to get key info from bridge owner
 - Design criteria basis
 - Is load rating needed?
 - Special aesthetics
 - Special design vehicles
 - Document decisions for future reference!

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- Project Design
 - Information on CFL Website
 - Bridge plan checklist
 - Bridge design criteria
 - Bridge drafting standards
 - Load rating summary
 - Early Coordination is key

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- Project Design Deliverables (through PM)
 - Structure selection report/memo
 - PS&E
 - Design and Independent check notes
 - Load rating (if applicable)
 - Structural quantities and unit cost analysis

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- Project Design Deliverables (cont.)
 - CADD and PDF bridge drawings with reference files detached.
 - A/E Contractor logo and PE stamp on all plan sheets
 - PE Notebook – include construction narrative & critical assumptions of design

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- Post-Design Services
 - Involvement of CFL Bridge A/E rep
 - Level of effort on construction submittal reviews, i.e. general conformance?
 - Coordination of disposition
 - Frequent issues

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- Discussion Topics:
 - Differing levels of A/E Oversight
 - Over the shoulder reviews (between 30 and 95% PS&E)
 - Bar list programs being used
 - Design programs



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- Discussion Topics:
 - Pedestrian bridge design
 - Buried structures discussion (roadway vs. structures vs. hydraulics responsibilities)
 - How do load rating calculations get to bridge owner?
 - Other?